APR. 1988 BX-8/16





SERVICE NOTES First Edition

SPECIFICATIONS

Common for the BX-8 and BX-16

Input Level

Rated: -50dBm to -10dBm

Input Impedance

1.5k Ω to 100k Ω

Output Level (Standard Phone Jack) Rated: +4dBm/-10dBm

Maximum: +21dBm

Output Level (Pin Jack)

Rated: -10dBm Maximum: +7dBm

Output Load Impedance

More than 10k Ω

Effect Send

Output Level (Rated): -20dBm Output Load Impedance: more than 10k Ω

Input Level (Rated): -20dBm Input Impedance: 47k Ω

Equalizer

Treble: +10dBm/10kHz Bass: +10dBm/100Hz

Headphones

50mW/30 Ω

Equivalent Input Noise

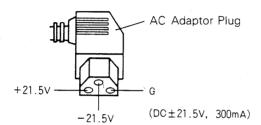
-115 dBm (IHF-A)

Frequency Response (at the minimum gain)

20Hz to 40kHz (+0 -3dB)

@0dBm = 0.775V

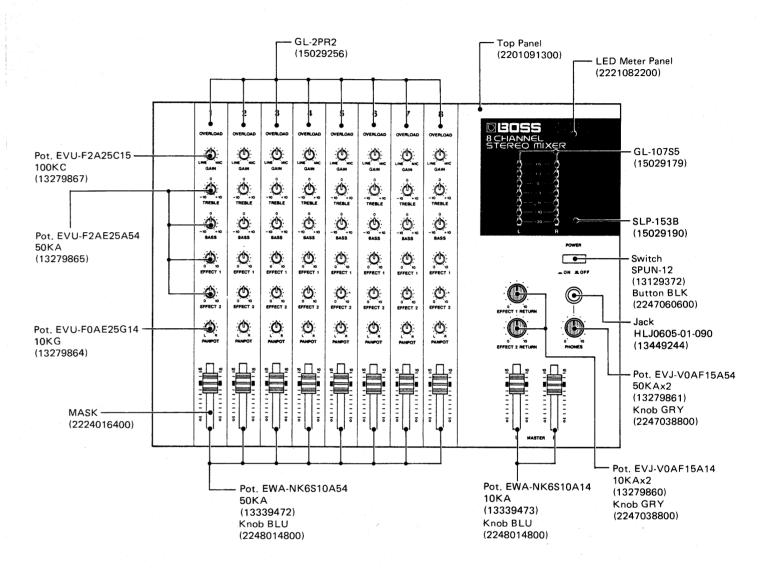
AC Adaptor (BOSS ACE-100,120,220,240A or 240E)

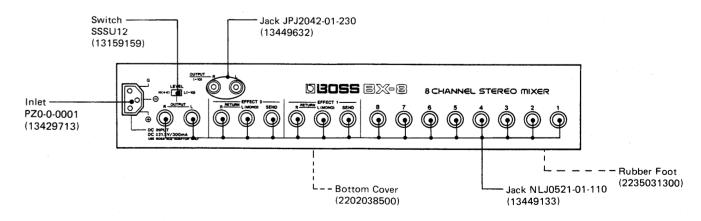


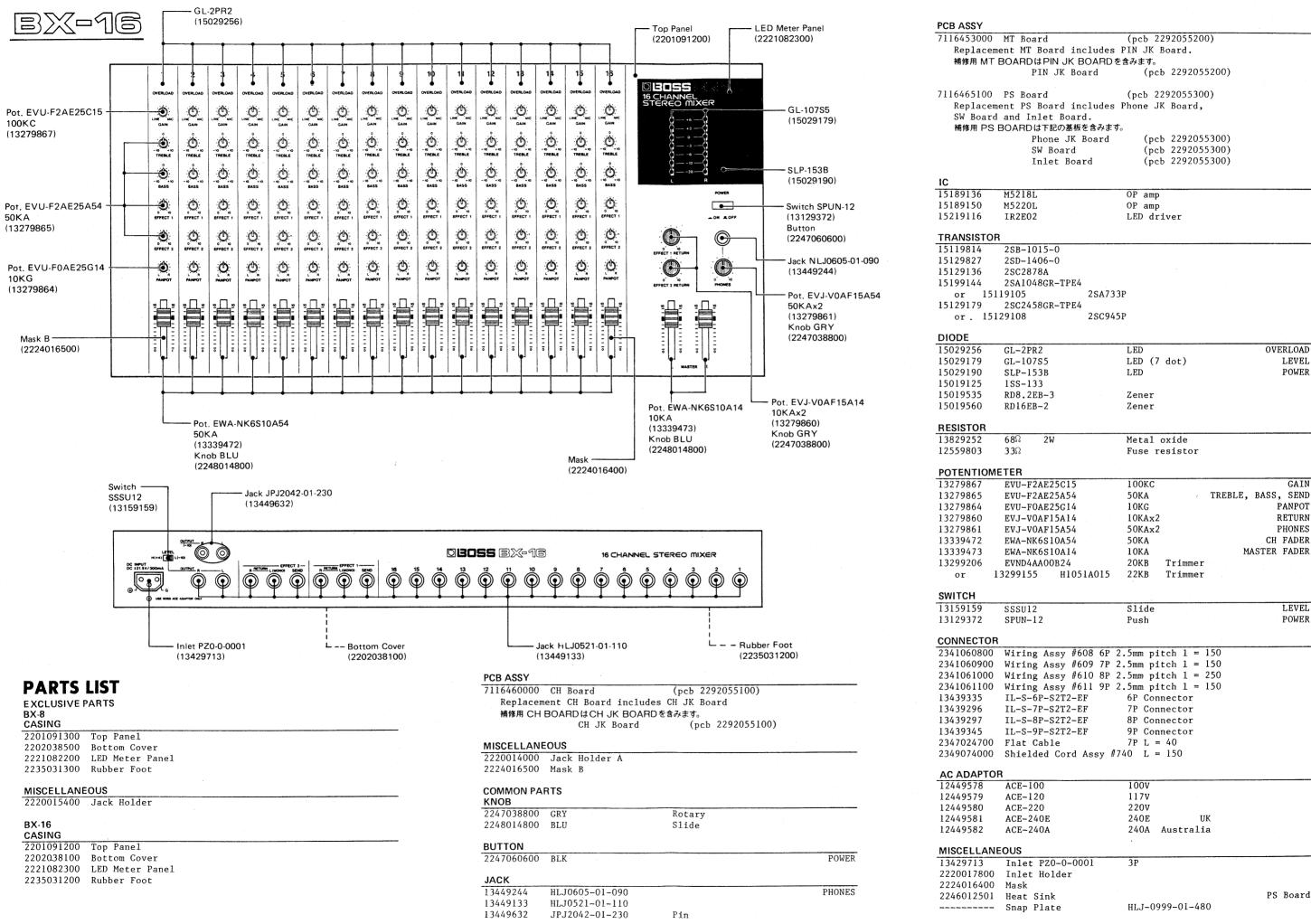




Printed in Japan BA-2LH 1







1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 **EXPLODED VIEW** RUBBER FOOT x 4 2235031300 – INLET HOLDER 2220017800 INLET PZ0-0-0001 13429713 P-Tight 3 x 10 BHFeBC x 3 S-Tight 3 x 8 BHFeBC w/internal tooth washer x 2 JACK HOLDER A 2220014000 BOTTOM COVER 220238100 JACK HOLDER 2220015400 S-Tight 3 x 6 BHFeBC x 6 3 x 10 BHFeBC x 2 SNAP PLATE HLJ-0999-01-480 x 8 23 x 10 BHFeBC x 2 BX-162 P-Tight 3 x 10 BHFeBC SNAP PLATE HLJ-0999-01-485 x 5 S-Tight 3 x 6 BHFeBC x 4 - HLJ0521-01-110 13449133 P-Tight 3 x 8 BHFeCm x 23 SPUN-12 13129372 P-Tight -JPJ2042-01-230 13449632 3 x 10 BHFeBC x 4 SSSU12/ 13159159 S-Tight 3 x 8 BHFeBC SEMS -3 x 8 FeCm x 2 P-Tight 3 x 10 BHFeBC MASK B 2224016500 MASK 2224016400 3 x 6 BHFeBC x 4

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48

PIN JK BOARD

CH JK BOARD Only for BX-16

View from foil side.

MT BOARD

Assy 7116453000

(pcb 2292055200) Replacement MT Board includes Pin JK Board. 補修用MT BOARDは PIN JK BOARDを含みます。

View from foil side.



CH BOARD

Only for BX-16

Assy 7116460000

(pcb 2292055100) Replacement CH Board includes CH JK Board. 補修用CH BOARDは CH JK BOARDを含みます。

PS BOARD

Assy 7116465100

(pcb 2292055300)

Replacement PS Board includes Phone JK Board, SW BOARD and Inlet Board. 補修用PS BOARDは

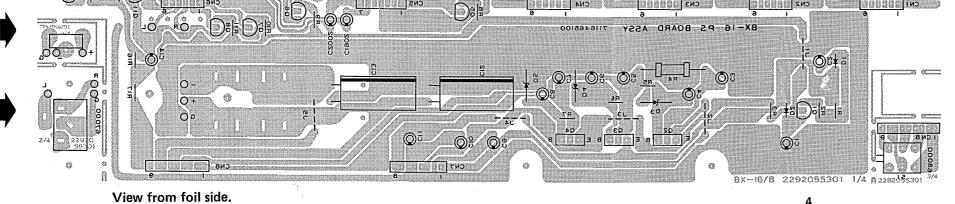
- 以下の基板を含みます。
- . PHONE JK BOARD
- . SW BOARD
- . INLET BOARD

SW BOARD

INLET BOARD

PHONE JK BOARD

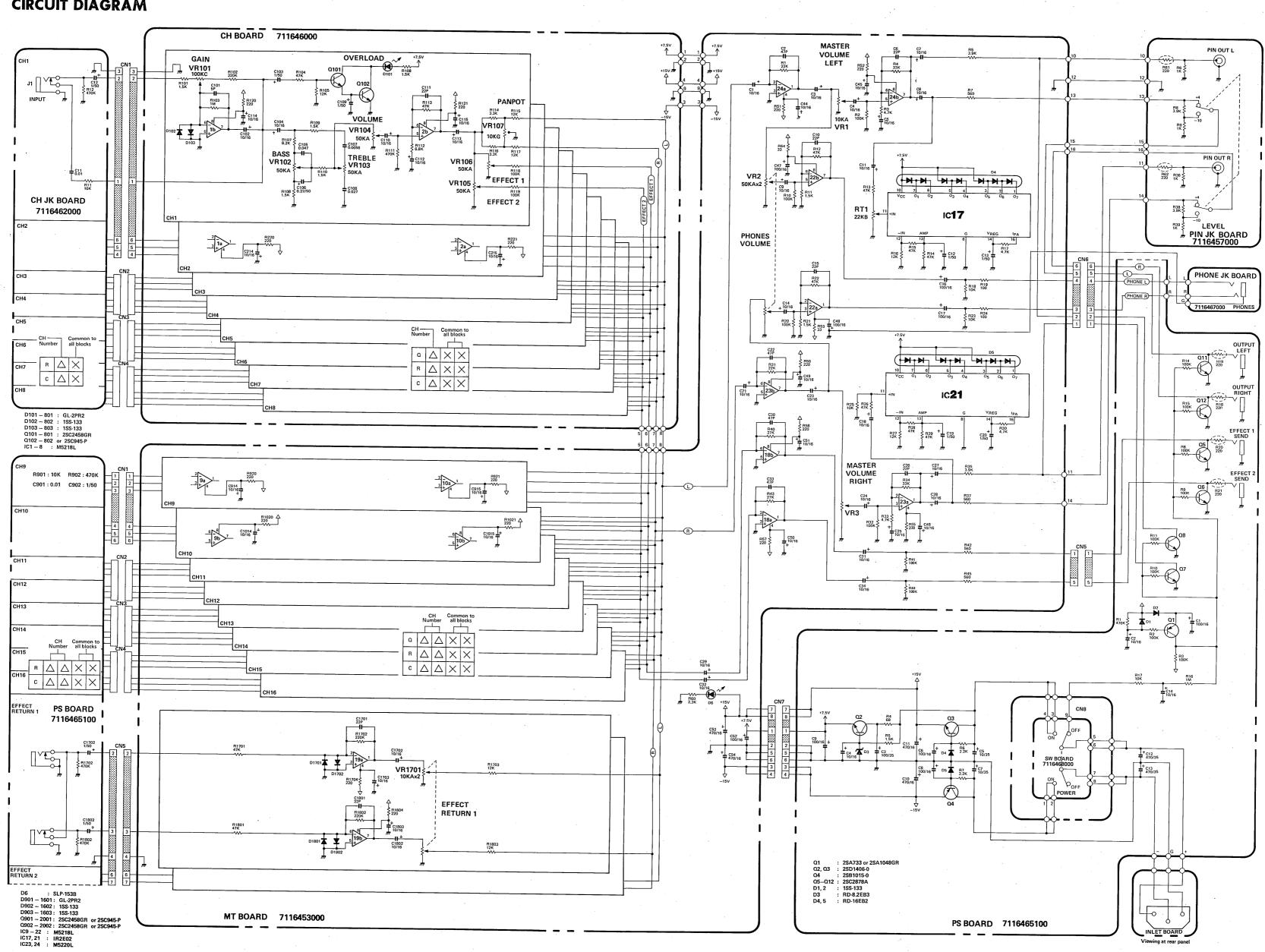




A

G

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 **CIRCUIT DIAGRAM**



ADJUSTMENT

LEVEL INDICATOR CALIBRATION

EFFECT 1 RETURN MASTER FADER L/R : 10

EFFECT 1 RETURN Jack : -30dBm, 1kHz, sine Adjust RT-1 so that Left LEVEL METER keeps pace with RIGHT LED as EFFECT RETURN 1 knob is set at

different positions.

調整仕様

レベル・インジケータ較正

EFFECT 1 RETURN :10

MASTER FADER L/R :10

EFFECT 1 RETURN Jack: -30dBm, 1kHz, サイン波 EFFECT RETURNを動かした時、LEDレベル・メーターのLの 点灯がRと同じレベル表示になる様に、半固定RT-1で調整する。

CHANGE INFORMATION

Add resistors

EFF : BX-8 903600-UP : BX-16 904000-UP Add 6 220 Ω resistors

抵抗追加

SEND 1/2 (R20, 21) 220Ωを追加。PIN JK BOARDのPIN OUT L/R (R61, 62) 220Ω を追加。

BX-16 904000

PS BOARD				PIN JK BOARD	
OUTPUT		EFFECT SEND		PIN OUT	
L	R	1	2	L	R
R19	R18	R20	R21	R61	R62

Reason: prevent electrostatic accumulation.

Change resistors

EFF : BX-8 903600-UP : BX-16 904000-UP

Change R53 and R54 (330 Ω) of MT board to fusing

resistor (Part No. 12559803).

Reason : Prevent burning problem due to shorting

electro cap (C47 and C48).

Change PHONES ground

CAUTION: This modification is mandatory . . . Must be conducted on all products as retrofit.

EFF : BX-8 881800-UP

: BX-16 881500-UP Change soldering point of phones return path.

Reason: Eliminate crosstalk.

理由 :静電保護のため

MT BOARDのR53、54をヒューズ抵抗33 Ω (PART No. 12559803) に変更

実施製番:BX-8 903600

BX-16 904000

:ケミコン・ショート時の抵抗焼損防止

PHONESグランドライン・ワイヤリング取り付け箇所変更

修理等の際は製造番号を確認し、変更が実施されているかを調べ

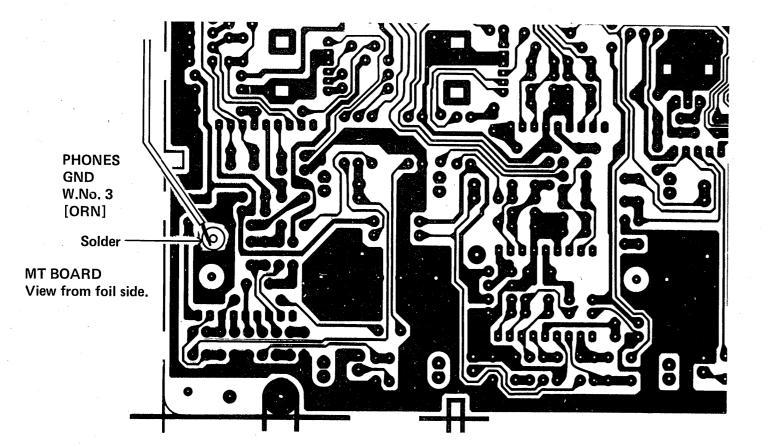
て下さい。

実施製番:BX-8 881800

BX-16 881500

理由 :クロストーク改善の為

変更箇所:下図参照



変更案内

PS BOARDのOUTPUT L/R (R18, 19) 2200及びEFFECT

実施製番:BX-8 903600